

# Notice of Allowability

Application No.

10/606,282

Examiner

Robert R. Koehler

Applicant(s)

KAWASHIMA ET AL

Art Unit

1775

## -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to applicants' Amendment and Remarks filed on July 26, 2005.
2. ☒ The allowed claim(s) is/are 1,2,5-7,9-11,13,15-18,21,22 and 25.
3. ☒ The drawings filed on 02 October 2003 are accepted by the Examiner.
4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☒ All    b) ☐ Some\*    c) ☐ None    of the:
    1. ☒ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  6. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

### Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☒ Interview Summary (PTO-413), Paper No./Mail Date 08062005.
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

**ROBERT R. KOEHLER**  
**PRIMARY EXAMINER**  
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## **DETAILED ACTION**

### ***Examiner's Amendment***

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

By way of this Examiner's Amendment, the following change is made to the claims. Cancel apparatus claims 19, 20, 23, and 24 without prejudice to applicants' right to subsequently file a Divisional application including claims directed to the subject matter of the non-elected apparatus invention.

Authorization for this examiner's amendment was given in a telephone interview with Charles A. Wendel, applicants' attorney, on August 26, 2005.

### ***Allowable Subject Matter***

Claims 1, 2, 5 to 7, 9 to 11, 13, 15 to 18, 21, 22, and 25 are allowed.

The following is an examiner's statement of reasons for allowance: **1.** Upon consideration of the Amendment filed on July 26, 2005, claims 19, 20, 23, and 24 are directed to subject matter patentably distinct (35 U.S.C. § 121) from the remaining claims. Applicants have agreed to cancel claims 19, 20, 23, and 24 without prejudice to applicants' right to subsequently file a Divisional application including claims directed to the subject matter of the non-elected apparatus invention. **2.** The prior art search has not produced any references which teach, suggest, or disclose applicants' amended claims to a hollow casting in which continuous dimples, each of which has a diameter of 10 to 2500  $\mu\text{m}$  and a depth of 50  $\mu\text{m}$  or less, are formed on an internal surface of the hollow casting and the entire continuous dimples and their edges are formed to be smooth. Also, the prior art does not teach or reasonably suggest a surface treatment method for treating an internal surface of a hollow casting that includes the

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steps of placing a surface treatment material containing at least a polyhedral or spherical material having a diameter of 5 mm or more inside the hollow casting and subsequently colliding the surface treatment material with the internal surface to cause the surface treatment material to form continuous dimples, each of which has a diameter of 10 to 2500  $\mu\text{m}$  and a depth of 50  $\mu\text{m}$  or less on the internal surface of the hollow casting.

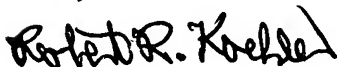
Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

### ***Conclusion***

Any inquiry concerning this communication or earlier communications from the Examiner should be directed to Robert Koehler whose telephone number is (571) 272-1536. The Examiner can normally be reached on Tuesday to Friday from 9:30 AM to 7:00 PM. The Examiner can also be reached on alternate Mondays.

If attempts to reach the Examiner by telephone are unsuccessful, the Examiner's supervisor, Deborah Jones, can be reached on (571) 272-1535. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



**ROBERT R. KOEHLER**  
**PRIMARY EXAMINER**

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August 26, 2005